

# Child Survival and Health Grants Program Project Summary

**Nov-05-2013**

## **Helen Keller International (Nepal)**

### **General Project Information**

<b>Cooperative Agreement Number:</b>	GHS-A-00-08-00001-00
<b>HKI Headquarters Technical Backstop:</b>	Jennifer Nielsen
<b>HKI Headquarters Technical Backstop Backup:</b>	
<b>Field Program Manager:</b>	Pooja Pandey
<b>Midterm Evaluator:</b>	Judiann McNulty
<b>Final Evaluator:</b>	Judiann McNulty
<b>Headquarter Financial Contact:</b>	Jennifer Nielsen
<b>Project Dates:</b>	10/1/2008 - 12/31/2012 (FY2008)
<b>Project Type:</b>	Innovation
<b>USAID Mission Contact:</b>	Naramaya Limbu
<b>Project Web Site:</b>	

### **Field Program Manager**

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### **Alternate Field Contact**

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### **Grant Funding Information**

<b>USAID Funding:</b> \$1,599,288	<b>PVO Match:</b> \$535,231
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## General Project Description

Helen Keller International (HKI), a 2008 Innovation category grantee, is implementing the *Action Against Malnutrition through Agriculture Nepal Child Survival Project* (AAMA) in Kailali and Baitadi Districts, Far Western Region, Nepal. The project goal is to develop a district-level integrated food security and nutrition model that can be adapted and taken to scale in other areas of Nepal to reduce malnutrition and morbidity in under two children and pregnant and lactating women.

HKI aims to implement a community owned and directed and sustainable approach to teach sound nutritional practices, develop and disseminate messages targeting traditional beliefs and motivate positive change, and increase year round food supply and diversity to marginalized and vulnerable groups with the technical inputs and supplies they need to improve food supply and overcome malnutrition and poverty together. The project will focus attention on maternal nutrition and early infant and young child feeding practices, starting at birth with optimal breastfeeding practices, giving special attention to complementary feeding quantity, quality, and hygiene, including nutritional care of sick children.

## Project Location

<b>Latitude:</b> 28.83	<b>Longitude:</b> 80.90
<b>Project Location Types:</b>	Rural
<b>Levels of Intervention:</b>	Health Center Home Community
<b>Province(s):</b>	Far Western Region
<b>District(s):</b>	Kailali and Baitadi Districts. An add-on from USAID/Nepal has extended the project to Bajura District of the FWR.
<b>Sub-District(s):</b>	--

## Operations Research Information

<b>OR Project Title:</b>	A randomized community trial to test the impact of HKI's Enhanced Homestead Food Production program on child growth and anemia
<b>Cost of OR Activities:</b>	\$0
<b>Research Partner(s):</b>	NTAG and SMJK and Ministries of Health and Agriculture
<b>OR Project Description:</b>	Nepal's multi-sectoral National Nutrition Action Plan advocates for a comprehensive, integrated and inter-sectoral strategy for addressing food insecurity and malnutrition. To support this plan, Helen Keller International (HKI) is testing its homestead food production program model integrated with essential nutrition actions (ENA), targeting vulnerable household members such as pregnant and lactating women, infants and young children, to demonstrate the impact of this integrated model on improved child nutrition in Nepal. HKI's homestead food production program has increased household production of micronutrient-rich foods and improved food security and diet quality among vulnerable households in multiple settings.

The rigorous evaluation of this project will generate evidence and lessons demonstrating the added impact of integrating two nutrition program approaches (food security and behavior change) and is poised to inform national health and agriculture policies and strategies, as well as Feed the Future's global priorities. The operations research lessons will also support HKI's leadership role in building governance capacity in the Ministries of Health and Agriculture and the National Planning Commission, in order to enable joint planning and coordination mechanisms for future cross-sectoral programming at the district, regional, and national levels.

## Partners

<b>Nepali Technical Assistance Group</b> (Subgrantee)	\$84,191
<b>NNSWA (Kailali)</b> (Subgrantee)	\$80,686
<b>SMJK (Baitadi)</b> (Subgrantee)	\$79,292

## Strategies

<b>Social and Behavioral Change Strategies:</b>	Community Mobilization Group interventions Interpersonal Communication Mass media and small media
<b>Health Systems Strengthening:</b>	Supportive Supervision Task Shifting Developing/Helping to develop job aids
<b>Strategies for Enabling Environment:</b>	Stakeholder engagement and policy dialogue (local/state or national) Advocacy for policy change or resource mobilization
<b>Tools/Methodologies:</b>	Sustainability Framework (CSSA) LQAS Mobile Devices for Data Collection

## Capacity Building

<b>Local Partners:</b>	Local Non-Government Organization (NGO) Dist. Health System Health Facility Staff Other National Ministry Health CBOs Other CBOs Government sanctioned CHWs
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## Interventions & Components

<b>Childhood Injury</b>	IMCI Integration	CHW Training HF Training
<b>Control of Diarrheal Diseases (10%)</b> <ul style="list-style-type: none"><li>- Hand Washing</li><li>- ORS/Home Fluids</li><li>- Feeding/Breastfeeding</li><li>- Zinc</li></ul>		CHW Training HF Training
<b>HIV/AIDS</b>		CHW Training HF Training
<b>Infant &amp; Young Child Feeding (40%)</b> <ul style="list-style-type: none"><li>- ENA</li><li>- Gardens</li><li>- Comp. Feed. from 6 mos.</li><li>- Cont. BF up to 24 mos.</li><li>- Maternal Nutrition</li><li>- Peer support</li><li>- Promote Excl. BF to 6 Months</li><li>- Intro. or promotion of LAM</li></ul>		CHW Training HF Training
<b>Maternal &amp; Newborn Care (10%)</b> <ul style="list-style-type: none"><li>- Newborn Care</li><li>- Post partum Care</li><li>- Integration. with Iron &amp; Folic Acid</li><li>- Kangaroo Mother Care (skin to skin care)</li></ul>		CHW Training HF Training
<b>Pneumonia Case Management</b>		CHW Training HF Training
<b>Vitamin A and Micronutrients (40%)</b>	IMCI Integration	CHW Training HF Training

## Operational Plan Indicators

Number of People Trained in Maternal/Newborn Health			
Gender	Year	Target	Actual
Female	2010	0	
Female	2010		0
Male	2010		0
Male	2010	0	
Female	2011	0	
Female	2011		0
Male	2011		0
Male	2011	0	
Female	2012	0	
Female	2012		0
Male	2012		0
Male	2012	0	
Female	2013	0	
Male	2013	0	
Female	2014	0	
Male	2014	0	
Number of People Trained in Child Health & Nutrition			
Gender	Year	Target	Actual
Female	2010	11500	
Female	2010		9
Male	2010		0
Male	2010	0	
Female	2011	186	
Female	2011		3782
Male	2011		17
Male	2011	0	
Female	2012	9026	
Female	2012		51
Male	2012		44
Male	2012	16	
Female	2013	0	
Male	2013	0	
Female	2014	0	
Male	2014	0	
Number of People Trained in Malaria Treatment or Prevention			
Gender	Year	Target	Actual
Female	2010		0
Female	2010	0	
Male	2010		0
Male	2010	0	
Female	2011		0
Female	2011	0	
Male	2011		0
Male	2011	0	
Female	2012		0
Female	2012	0	
Male	2012		0
Male	2012	0	
Female	2013	0	
Male	2013	0	
Female	2014	0	

Male	2014	0	
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### Locations & Sub-Areas

Kailali district	632,994
Baitadi district	78,331
Bajura district	125,770
<b>Total Population:</b>	<b>837,095</b>

### Target Beneficiaries

	Kailali district	Baitadi district	Bajura district	Total
Children 0-59 months	89,749	12,000	19,674	121,423
Women 15-49 years	149,280	20,300	32,660	202,240
<b>Beneficiaries Total</b>	<b>239,029</b>	<b>32,300</b>	<b>52,334</b>	<b>323,663</b>

## Rapid Catch Indicators: DIP Submission

Sample Type: 30 Cluster

### Antenatal Care

**Description** -- Percentage of mothers of children age 0-23 months who had four or more antenatal visits when they were pregnant with the youngest child

**Numerator:** Enter the number of mothers with children age 0-23 months who had at least four antenatal visits while pregnant with their youngest child

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	158	497	31.8%	5.8
Baitadi district	117	401	29.2%	6.3
Bajura district	82	351	23.4%	6.3

### Maternal TT Vaccination

**Description** -- Percentage of mothers with children age 0-23 months who received at least two Tetanus toxoid vaccinations before the birth of their youngest child

**Numerator:** Enter the number of mothers with children age 0-23 months who received at least two tetanus toxoid vaccinations before the birth of their youngest child

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	260	387	67.2%	6.6
Baitadi district	281	401	70.1%	6.3
Bajura district	323	447	72.3%	5.9

### Skilled Birth Attendant

**Description** -- Percentage of children age 0-23 months whose births were attended by skilled personnel

**Numerator:** Enter the number of children age 0-23 months whose birth was attended by a doctor, nurse, midwife, auxiliary midwife, or other personnel with midwifery skills

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	103	497	20.7%	5.0
Baitadi district	92	401	22.9%	5.8
Bajura district	84	450	18.7%	5.1

### Current Contraceptive Use Among Mothers of Young Children

**Description** -- Percentage of mothers of children age 0-23 months who are using a modern contraceptive method

**Numerator:** Enter the number of mothers with children age 0-23 months who are using a modern contraceptive method

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	165	465	35.5%	6.2
Baitadi district	457	1877	0.0%	0.0
Bajura district	75	432	17.4%	5.1

### Post-Natal Visit to Check on Newborn Within the First 2 Days After Birth

**Description** -- Percentage of children age 0-23 months who received a post-natal visit from an appropriately trained health worker within two days after birth

**Numerator:** Enter the number of children age 0-23 months who received a post-natal visit within two days after birth by an appropriate health worker

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	61	497	12.3%	4.1
Baitadi district	77	401	19.2%	5.5
Bajura district	62	450	13.8%	4.5

### Exclusive Breastfeeding

**Description** -- Percentage of children age 0-5 months who were exclusively breastfed during the last 24 hours

**Numerator:** Enter the number of children age 0-5 months who drank breast milk in the previous 24 hours AND did not drink any other liquids in the previous 24 hours AND was not given any other foods or liquids in the previous 24 hours

**Denominator:** Enter the total number of children age 0-5 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	102	129	79.1%	9.9
Baitadi district	63	105	60.0%	13.3
Bajura district	85	107	79.4%	10.8

### Infant and Young Child Feeding

**Description** -- Percentage of infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices

**Numerator:** Enter the number infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	171	368	46.5%	7.2
Baitadi district	231	401	57.6%	6.8
Bajura district	117	339	34.5%	7.2

#### Vitamin A Supplementation in the Last 6 Months

**Description** -- Percentage of children age 6-23 months who received a dose of Vitamin A in the last 6 months: card verified or mother's recall

**Numerator:** Enter the number of children age 6-23 months who received a dose of Vitamin A in the last 6 months (mother's recall or card verified)

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	278	321	86.6%	5.3
Baitadi district	364	401	90.8%	4.0
Bajura district	278	316	88.0%	5.1

#### Measles Vaccination

**Description** -- Percentage of children age 12-23 months who received a measles vaccination

**Numerator:** Enter the number of children age 12-23 months who received a measles vaccination by the time of the interview as seen on the card or recalled by the mother

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	211	229	92.1%	4.9
Baitadi district	348	401	86.8%	4.7
Bajura district	154	187	82.4%	7.7

#### Access to Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP1 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received a DTP1 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	218	229	95.2%	3.9
Baitadi district	332	401	82.8%	5.2
Bajura district	170	187	90.9%	5.8

#### Health System Performance Regarding Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP3 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received DTP3 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	189	229	82.5%	7.0
Baitadi district	290	401	72.3%	6.2
Bajura district	147	187	78.6%	8.3

#### Treatment of Fever in Malarious Zones

**Description** -- Percentage of children age 0-23 months with a febrile episode during the last two weeks who were treated with an effective anti-malarial drug within 24 hours after the fever began

**Numerator:** Enter the number of children age 0-23 months with a febrile episode in the last two weeks AND whose mother/caretaker sought treatment for the child within 24 hours AND who were treated with an appropriate anti-malarial drug

**Denominator:** Enter the total number of children age 0-23 months with a febrile episode in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	22	67	32.8%	15.9
Baitadi district	0	0	0.0%	0.0
Bajura district	0	0	0.0%	0.0

#### ORT Use

**Description** -- Percentage of children age 0-23 months with diarrhea in the last two weeks who received oral rehydration solution (ORS) and/or recommended home fluids

**Numerator:** Enter the number of children age 0-23 months with diarrhea in the last two weeks AND who received oral rehydration solution (ORS) and/or recommended home fluids

**Denominator:** Enter the total number of children age 0-23 months who had diarrhea in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
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Kailali district	7	73	9.6%	9.6
Baitadi district	14	20	70.0%	28.4
Bajura district	20	66	30.3%	15.7

  

**Appropriate Care Seeking for Pneumonia**

**Description** -- Percentage of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider

**Numerator:** Enter the number of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider

**Denominator:** Enter the total number of children with chest-related cough and fast and /or difficult breathing in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	35	114	30.7%	12.0
Baitadi district	17	21	81.0%	23.8
Bajura district	51	75	68.0%	14.9

  

**Point of Use (POU)**

**Description** -- Percentage of households of children age 0-23 months that treat water effectively

**Numerator:** Enter the number of households of mothers of children 0-23 months that treat water effectively

**Denominator:** Enter the total number of households of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	24	497	4.8%	2.7
Baitadi district	8	401	2.0%	1.9
Bajura district	14	449	3.1%	2.3

  

**Appropriate Hand Washing Practices**

**Description** -- Percentage of mothers of children age 0-23 months who live in households with soap at the place for hand washing

**Numerator:** Enter the number of mothers with children age 0-23 months who live in households with soap at the place for hand washing

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	216	497	43.5%	6.2
Baitadi district	59	401	14.7%	4.9
Bajura district	73	449	16.3%	4.8

  

**Child Sleeps Under an Insecticide-Treated Bednet**

**Description** -- Percentage of children age 0-23 months who slept under an insecticide-treated bednet (in malaria risk areas, where bednet use is effective) the previous night

**Numerator:** Enter the number of children age 0-23 months who slept under an insecticide-treated bednet the previous night

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	11	497	2.2%	1.8
Baitadi district	0	0	0.0%	0.0
Bajura district	0	0	0.0%	0.0

  

**Underweight**

**Description** -- Percentage of children 0-23 months who are underweight (-2 SD for the median weight for age, according to the WHO/NCHS reference population)

**Numerator:** Enter the number of children 0-23 months with weight/age -2 SD for the median weight for age, according to the WHO/NCHS reference population

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	148	484	30.6%	5.8
Baitadi district	167	398	42.0%	6.9
Bajura district	166	449	37.0%	6.3



## Rapid Catch Indicators: Mid-term

Sample Type: LQAS				
<b>Antenatal Care</b>				
<b>Description</b> -- Percentage of mothers of children age 0-23 months who had four or more antenatal visits when they were pregnant with the youngest child				
<b>Numerator:</b> Enter the number of mothers with children age 0-23 months who had at least four antenatal visits while pregnant with their youngest child				
<b>Denominator:</b> Enter the total number of mothers of children age 0-23 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Maternal TT Vaccination</b>				
<b>Description</b> -- Percentage of mothers with children age 0-23 months who received at least two Tetanus toxoid vaccinations before the birth of their youngest child				
<b>Numerator:</b> Enter the number of mothers with children age 0-23 months who received at least two tetanus toxoid vaccinations before the birth of their youngest child				
<b>Denominator:</b> Enter the total number of mothers of children age 0-23 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Skilled Birth Attendant</b>				
<b>Description</b> -- Percentage of children age 0-23 months whose births were attended by skilled personnel				
<b>Numerator:</b> Enter the number of children age 0-23 months whose birth was attended by a doctor, nurse, midwife, auxiliary midwife, or other personnel with midwifery skills				
<b>Denominator:</b> Enter the total number of children age 0-23 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Current Contraceptive Use Among Mothers of Young Children</b>				
<b>Description</b> -- Percentage of mothers of children age 0-23 months who are using a modern contraceptive method				
<b>Numerator:</b> Enter the number of mothers with children age 0-23 months who are using a modern contraceptive method				
<b>Denominator:</b> Enter the total number of mothers of children age 0-23 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Post-Natal Visit to Check on Newborn Within the First 2 Days After Birth</b>				
<b>Description</b> -- Percentage of children age 0-23 months who received a post-natal visit from an appropriately trained health worker within two days after birth				
<b>Numerator:</b> Enter the number of children age 0-23 months who received a post-natal visit within two days after birth by an appropriate health worker				
<b>Denominator:</b> Enter the total number of children age 0-23 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Exclusive Breastfeeding</b>				
<b>Description</b> -- Percentage of children age 0-5 months who were exclusively breastfed during the last 24 hours				
<b>Numerator:</b> Enter the number of children age 0-5 months who drank breast milk in the previous 24 hours AND did not drink any other liquids in the previous 24 hours AND was not given any other foods or liquids in the previous 24 hours				
<b>Denominator:</b> Enter the total number of children age 0-5 months in the survey				
Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	
<b>Infant and Young Child Feeding</b>				
<b>Description</b> -- Percentage of infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices				

**Numerator:** Enter the number infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### Vitamin A Supplementation in the Last 6 Months

**Description** -- Percentage of children age 6-23 months who received a dose of Vitamin A in the last 6 months: card verified or mother's recall

**Numerator:** Enter the number of children age 6-23 months who received a dose of Vitamin A in the last 6 months (mother's recall or card verified)

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### Measles Vaccination

**Description** -- Percentage of children age 12-23 months who received a measles vaccination

**Numerator:** Enter the number of children age 12-23 months who received a measles vaccination by the time of the interview as seen on the card or recalled by the mother

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### Access to Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP1 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received a DTP1 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### Health System Performance Regarding Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP3 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received DTP3 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### Treatment of Fever in Malarious Zones

**Description** -- Percentage of children age 0-23 months with a febrile episode during the last two weeks who were treated with an effective anti-malarial drug within 24 hours after the fever began

**Numerator:** Enter the number of children age 0-23 months with a febrile episode in the last two weeks AND whose mother/caretaker sought treatment for the child within 24 hours AND who were treated with an appropriate anti-malarial drug

**Denominator:** Enter the total number of children age 0-23 months with a febrile episode in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

#### ORT Use

**Description** -- Percentage of children age 0-23 months with diarrhea in the last two weeks who received oral rehydration solution (ORS) and/or recommended home fluids

**Numerator:** Enter the number of children age 0-23 months with diarrhea in the last two weeks AND who received oral rehydration solution (ORS) and/or recommended home fluids

**Denominator:** Enter the total number of children age 0-23 months who had diarrhea in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
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Kailali district			%	
Baitadi district			%	
Bajura district			%	

  

**Appropriate Care Seeking for Pneumonia**  
**Description** -- Percentage of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider  
**Numerator:** Enter the number of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider  
**Denominator:** Enter the total number of children with chest-related cough and fast and /or difficult breathing in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

  

**Point of Use (POU)**  
**Description** -- Percentage of households of children age 0-23 months that treat water effectively  
**Numerator:** Enter the number of households of mothers of children 0-23 months that treat water effectively  
**Denominator:** Enter the total number of households of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

  

**Appropriate Hand Washing Practices**  
**Description** -- Percentage of mothers of children age 0-23 months who live in households with soap at the place for hand washing  
**Numerator:** Enter the number of mothers with children age 0-23 months who live in households with soap at the place for hand washing  
**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

  

**Child Sleeps Under an Insecticide-Treated Bednet**  
**Description** -- Percentage of children age 0-23 months who slept under an insecticide-treated bednet (in malaria risk areas, where bednet use is effective) the previous night  
**Numerator:** Enter the number of children age 0-23 months who slept under an insecticide-treated bednet the previous night  
**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

  

**Underweight**  
**Description** -- Percentage of children 0-23 months who are underweight (-2 SD for the median weight for age, according to the WHO/NCHS reference population)  
**Numerator:** Enter the number of children 0-23 months with weight/age -2 SD for the median weight for age, according to the WHO/NCHS reference population  
**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district			%	
Baitadi district			%	
Bajura district			%	

## Rapid Catch Indicators: Final Evaluation

Sample Type: 30 Cluster

### Antenatal Care

**Description** -- Percentage of mothers of children age 0-23 months who had four or more antenatal visits when they were pregnant with the youngest child

**Numerator:** Enter the number of mothers with children age 0-23 months who had at least four antenatal visits while pregnant with their youngest child

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	590	673	87.7%	3.5
Baitadi district	279	412	67.7%	6.4
Bajura district	257	450	57.1%	6.5

### Maternal TT Vaccination

**Description** -- Percentage of mothers with children age 0-23 months who received at least two Tetanus toxoid vaccinations before the birth of their youngest child

**Numerator:** Enter the number of mothers with children age 0-23 months who received at least two tetanus toxoid vaccinations before the birth of their youngest child

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	328	666	49.2%	5.4
Baitadi district	310	412	75.2%	5.9
Bajura district	283	450	62.9%	6.3

### Skilled Birth Attendant

**Description** -- Percentage of children age 0-23 months whose births were attended by skilled personnel

**Numerator:** Enter the number of children age 0-23 months whose birth was attended by a doctor, nurse, midwife, auxiliary midwife, or other personnel with midwifery skills

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	302	696	43.4%	5.2
Baitadi district	73	412	17.7%	5.2
Bajura district	126	450	28.0%	5.9

### Current Contraceptive Use Among Mothers of Young Children

**Description** -- Percentage of mothers of children age 0-23 months who are using a modern contraceptive method

**Numerator:** Enter the number of mothers with children age 0-23 months who are using a modern contraceptive method

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	274	696	39.4%	5.1
Baitadi district	94	412	22.8%	5.7
Bajura district	117	450	26.0%	5.7

### Post-Natal Visit to Check on Newborn Within the First 2 Days After Birth

**Description** -- Percentage of children age 0-23 months who received a post-natal visit from an appropriately trained health worker within two days after birth

**Numerator:** Enter the number of children age 0-23 months who received a post-natal visit within two days after birth by an appropriate health worker

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	0	0	0.0%	0.0
Baitadi district	98	412	23.8%	5.8
Bajura district	132	450	29.3%	5.9

### Exclusive Breastfeeding

**Description** -- Percentage of children age 0-5 months who were exclusively breastfed during the last 24 hours

**Numerator:** Enter the number of children age 0-5 months who drank breast milk in the previous 24 hours AND did not drink any other liquids in the previous 24 hours AND was not given any other foods or liquids in the previous 24 hours

**Denominator:** Enter the total number of children age 0-5 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	160	193	82.9%	7.5
Baitadi district	81	104	77.9%	11.3
Bajura district	58	74	78.4%	13.3

### Infant and Young Child Feeding

**Description** -- Percentage of infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices

**Numerator:** Enter the number infants and young children age 6-23 months fed according to a minimum of appropriate feeding practices

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	431	503	85.7%	4.3
Baitadi district	327	412	79.4%	5.5
Bajura district	343	378	90.7%	4.1

#### Vitamin A Supplementation in the Last 6 Months

**Description** -- Percentage of children age 6-23 months who received a dose of Vitamin A in the last 6 months: card verified or mother's recall

**Numerator:** Enter the number of children age 6-23 months who received a dose of Vitamin A in the last 6 months (mother's recall or card verified)

**Denominator:** Enter the total number of children age 6-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	396	462	85.7%	4.5
Baitadi district	400	412	97.1%	2.3
Bajura district	348	378	92.1%	3.9

#### Measles Vaccination

**Description** -- Percentage of children age 12-23 months who received a measles vaccination

**Numerator:** Enter the number of children age 12-23 months who received a measles vaccination by the time of the interview as seen on the card or recalled by the mother

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	301	314	95.9%	3.1
Baitadi district	401	412	97.3%	2.2
Bajura district	302	315	95.9%	3.1

#### Access to Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP1 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received a DTP1 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	311	314	99.0%	1.5
Baitadi district	404	412	98.1%	1.9
Bajura district	309	315	98.1%	2.1

#### Health System Performance Regarding Immunization Services

**Description** -- Percentage of children age 12-23 months who received DTP3 according to the vaccination card or mother's recall by the time of the survey

**Numerator:** Enter the number of children age 12-23 months who received DTP3 at the time of the survey according to the vaccination card/child health booklet or mother's recall

**Denominator:** Enter the total number of children age 12-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	307	314	97.8%	2.3
Baitadi district	402	412	97.6%	2.1
Bajura district	299	315	94.9%	3.4

#### Treatment of Fever in Malarious Zones

**Description** -- Percentage of children age 0-23 months with a febrile episode during the last two weeks who were treated with an effective anti-malarial drug within 24 hours after the fever began

**Numerator:** Enter the number of children age 0-23 months with a febrile episode in the last two weeks AND whose mother/caretaker sought treatment for the child within 24 hours AND who were treated with an appropriate anti-malarial drug

**Denominator:** Enter the total number of children age 0-23 months with a febrile episode in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	1	98	1.0%	2.8
Baitadi district	0	0	0.0%	0.0
Bajura district	0	0	0.0%	0.0

#### ORT Use

**Description** -- Percentage of children age 0-23 months with diarrhea in the last two weeks who received oral rehydration solution (ORS) and/or recommended home fluids

**Numerator:** Enter the number of children age 0-23 months with diarrhea in the last two weeks AND who received oral rehydration solution (ORS) and/or recommended home fluids

**Denominator:** Enter the total number of children age 0-23 months who had diarrhea in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
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Kailali district	109	163	66.9%	10.2
Baitadi district	38	52	73.1%	17.0
Bajura district	55	102	53.9%	13.7

  

**Appropriate Care Seeking for Pneumonia**

**Description** -- Percentage of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider

**Numerator:** Enter the number of children age 0-23 months with chest-related cough and fast and/or difficult breathing in the last two weeks who were taken to an appropriate health provider

**Denominator:** Enter the total number of children with chest-related cough and fast and /or difficult breathing in the last two weeks

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	51	121	42.1%	12.4
Baitadi district	24	44	54.5%	20.8
Bajura district	89	450	19.8%	5.2

  

**Point of Use (POU)**

**Description** -- Percentage of households of children age 0-23 months that treat water effectively

**Numerator:** Enter the number of households of mothers of children 0-23 months that treat water effectively

**Denominator:** Enter the total number of households of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	41	696	5.9%	2.5
Baitadi district	45	412	10.9%	4.3
Bajura district	14	450	3.1%	2.3

  

**Appropriate Hand Washing Practices**

**Description** -- Percentage of mothers of children age 0-23 months who live in households with soap at the place for hand washing

**Numerator:** Enter the number of mothers with children age 0-23 months who live in households with soap at the place for hand washing

**Denominator:** Enter the total number of mothers of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	553	664	83.3%	4.0
Baitadi district	236	412	57.3%	6.8
Bajura district	277	450	61.6%	6.4

  

**Child Sleeps Under an Insecticide-Treated Bednet**

**Description** -- Percentage of children age 0-23 months who slept under an insecticide-treated bednet (in malaria risk areas, where bednet use is effective) the previous night

**Numerator:** Enter the number of children age 0-23 months who slept under an insecticide-treated bednet the previous night

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	453	674	67.2%	5.0
Baitadi district	0	0	0.0%	0.0
Bajura district	0	0	0.0%	0.0

  

**Underweight**

**Description** -- Percentage of children 0-23 months who are underweight (-2 SD for the median weight for age, according to the WHO/NCHS reference population)

**Numerator:** Enter the number of children 0-23 months with weight/age -2 SD for the median weight for age, according to the WHO/NCHS reference population

**Denominator:** Enter the total number of children age 0-23 months in the survey

Sub Area Name	Numerator	Denominator	Percent(calculate)	Confidence Limits
Kailali district	144	695	20.7%	4.3
Baitadi district	147	412	35.7%	6.5
Bajura district	196	447	43.8%	6.5

## Rapid Catch Indicator Comments

Birth spacing data are missing for both Kailali and Baitadi. For Baitadi, the age group surveyed for the operations research is 12-47 months, thus the Rapid Catch data reflect children 12-23 months rather than 0-23 or 6-23 (exclusive breastfeeding data were collected on a supplementary sample of children 0-5 months). Finally, Baitadi is a non-malarial area.

We have added Bajura Rapid Catch data; expansion of the program to Bajura is supported by USAID/Nepal. This baseline was conducted in December 2010, whereas the Kailali baseline was conducted Jan-Feb, 2009 and Baitadi in July-August 2009.